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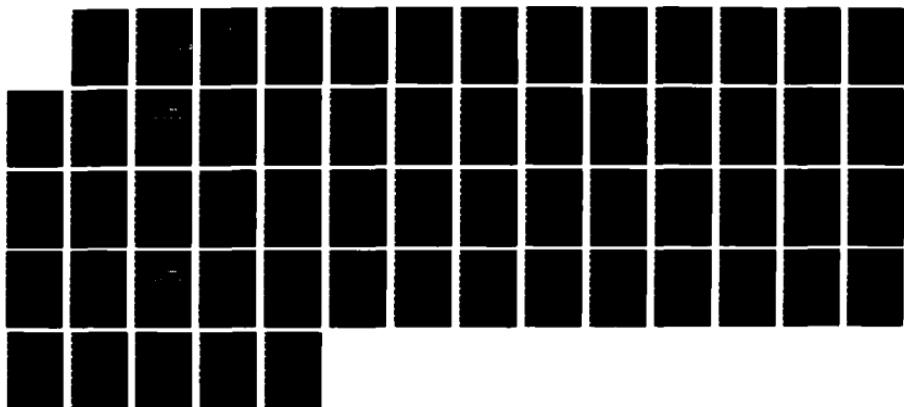
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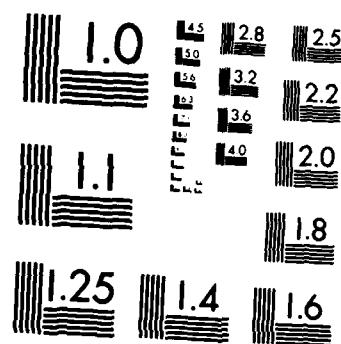
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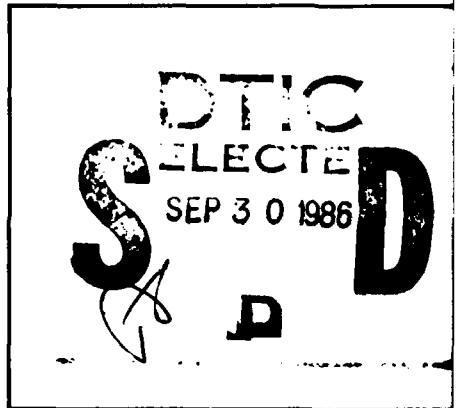
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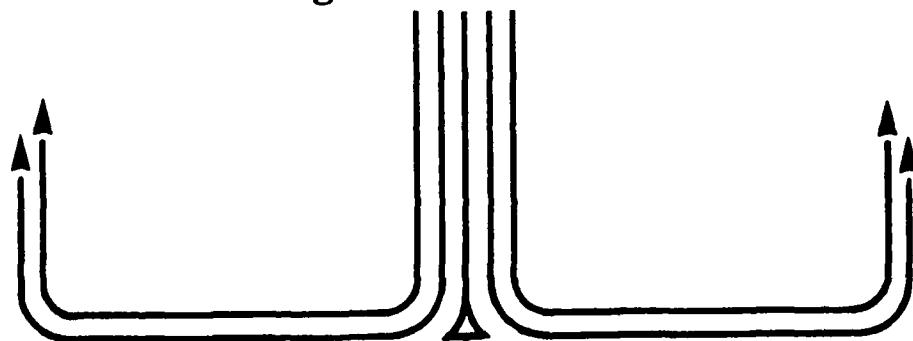


## STUDENT REPORT

ESTATE PLANNING FOR YOUR SURVIVORS

MAJOR CORNELIUS EDWARD KUIPER  
85-1510

*"insights into tomorrow"*



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ALAN J. ROD  
Deputy Director  
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1 Atch  
Manuscript

1985 M-U  
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**REPORT NUMBER** 85-1510

**TITLE** ESTATE PLANNING FOR YOUR SURVIVORS

**AUTHOR(S)** MAJOR CORNELIUS EDWARD KUIPER, USAF

**FACULTY ADVISOR** MAJOR WILLIAM FURR, ACSC/EDOWC

**SPONSOR** MAJOR ROBERT HEATH, ACSC/EDCM  
MAJOR JOHN REDIGAN, HQ USAF/MPXHF

Submitted to the faculty in partial fulfillment of  
requirements for graduation.

**AIR COMMAND AND STAFF COLLEGE**  
**AIR UNIVERSITY**  
**MAXWELL AFB, AL 36112**

UNCLASSIFIED

AD-A172 335

SECURITY CLASSIFICATION OF THIS PAGE

## REPORT DOCUMENTATION PAGE

18. REPORT SECURITY CLASSIFICATION UNCLASSIFIED		19. RESTRICTIVE MARKINGS	
20. SECURITY CLASSIFICATION AUTHORITY		21. DISTRIBUTION/AVAILABILITY OF REPORT	
22. DECLASSIFICATION/DOWNGRADING SCHEDULE			
23. PERFORMING ORGANIZATION REPORT NUMBER(S) AS-1510		24. MONITORING ORGANIZATION REPORT NUMBER(S)	
25. NAME OF PERFORMING ORGANIZATION ACSC/MXCC	26. OFFICE SYMBOL (If applicable)	27. NAME OF MONITORING ORGANIZATION	
28. ADDRESS (City, State and ZIP Code) Maxwell AFB AL 36012		29. ADDRESS (City, State and ZIP Code)	
30. NAME OF FUNDING SPONSORING ORGANIZATION	31. OFFICE SYMBOL (If applicable)	32. PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER	
33. ADDRESS (City, State and ZIP Code)		34. SOURCE OF FUNDING NOS.	
35. TITLE (Include Security Classification) ESTATE PLANNING FOR YOUR SURVIVORS		36. PROGRAM ELEMENT NO	37. PROJECT NO.
38. PERSONAL AUTHORITY Kuiper, Cornelius E., Major, USAF		39. TASK NO	40. WORK UNIT NO
41. TYPE OF REPORT	42. TIME COVERED FROM _____ TO _____	43. DATE OF REPORT (Yr., Mo., Day) 1985 April	44. PAGE COUNT 69
45. SUPPLEMENTARY NOTATION			
46. COSATI CODES	47. SUBJECT TERMS (Continue on reverse if necessary and identify by block number)		
FIELD	GROUP	SUB. GR.	
48. ABSTRACT (Continue on reverse if necessary and identify by block number)			
<p>The software enables active duty military members to evaluate their estate's ability to provide for spouse and dependent children in the event of the member's death. The software's two parts are:</p> <ul style="list-style-type: none"> <li>1. A worksheet which leads an individual through the necessary information pertaining to distributions.</li> <li>2. A Zenith Z-140 computer program which asks questions of the user and then prints a summary listing of survivors' benefits.</li> </ul> <p>For more information contact the HQ USAF/MXCC for expected distribution to all USAF military installations.</p>			

50. DISTRIBUTION/AVAILABILITY OF ABSTRACT DRAFT, APPROVED, ORIGINATED BY (Initials) S.A. R. X. DDC USERS <input checked="" type="checkbox"/>	51. ABSTRACT SECURITY CLASSIFICATION UNCLASSIFIED	
52. NAME OF PUBLICATION Estate Planning for Your Survivors	53. TELEPHONE NUMBER (Include Area Code) (205) 274-2432	54. OFFICE SYMBOL

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## PREFACE

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The Estate Planning for Your Survivors program is designed to analyze the status of one's financial estate. Specifically, one can evaluate his or her estate's ability in the event of his or her death to provide for one's widow(er) and dependent children.

The Estate Planning for Your Survivors program has two parts. One part is a workbook which leads an individual through the necessary information gathering and calculations. The second part is a survivor benefits computer program.

The program is designed for use by all active duty Air Force personnel through the family support centers, and Air Command and Staff College (ACSC) course officers taking the Personal Financial Planning and Management elective course. The computer program and workbooks are expected to be distributed by HQ USAF/MPXHF to all family support centers.

Other organizations desiring the Zenith Z-120 (commonly referred to as Z-100) computer program with diskette and a workbook must order from ACSC/EDCM, Maxwell AFB, AL, 36112-5542. Requester must supply a 5 1/4 inch single or double sided double density floppy disk.

The author is indebted to Col John H. Roscoe, USAF, for the use of his Air War College computer program and workbook, The Estate Plan, of which this is a revision and expansion.

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## ABOUT THE AUTHOR

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The author earned a B.S. Degree in Mechanical Engineering from the University of Colorado in 1970. Following a year with an aerospace firm, he joined the USAF. After completing pilot training, he was assigned to fly the B-52 at Loring AFB, ME. In 1977, he was chosen to attend the Air Force Institute of Technology program at the University of Illinois. There he earned an M.S. Degree in Mechanical Engineering. His subsequent assignment was as a rated engineer with the F-4 System Manager at Ogden Air Logistics Center, Hill AFB, Utah. Returning to the B-52, he was stationed at Fairchild AFB, WA until being selected to attend Air Command and Staff College.

The author has a continuing interest in financial management and estate planning. Twice he has had his estate professionally analyzed to ensure adequate provision for his survivors in the event of his death.

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## INTRODUCTION

### BACKGROUND

This project was initiated at the desire of the ACSC sponsor to add an estate planning capability to the Personal Financial Planning and Management elective course. The plan was to modify an existing Air War College program for use on ACSC personal computers and revise the accompanying workbook as necessary. After discussions with Maxwell Family Support Center personnel and HQ USAF/MPXHF, the scope of the project was broadened. The estate planning computer program and workbooks would be available for use by all Air Force personnel through the family support centers.

### SIGNIFICANCE

The Estate Planning for Your Survivors program allows a member to determine his or her estate's ability to provide for spouse and dependent children in the event of the member's death. It helps one estimate his or her insurance or investment needs for this situation as opposed to accepting a salesman's formula.

### ASSUMPTIONS AND LIMITATIONS

The survivor benefits computer program includes the following benefits:

1. Dependency and Indemnity Compensation (DIC).
2. Veteran's Administration (VA) Educational Benefits.
3. Social Security (SS) Survivors' Benefits.
4. SS Old Age Benefits.
5. Survivor Benefit Plan (SBP).

The current DIC and VA education benefit values are incorporated into the program. The SS benefits are based on salary histories. Typical histories were developed assuming enlisted members joined the service at the age of 18 and

officers at the age of 22. Only social security taxed service earnings were considered. However, there are no SS benefits for survivors of members who have less than 1 1/2 years of social security taxed earnings (1:27,30). The SBP only applies to active duty members who are eligible to retire. The benefit is based on current base pay and years of service. Procedures to update DIC, VA education, and SS benefit values are included in the operator's manual.

#### SOURCES

This Estate Planning for Your Survivors program is a revision and expansion of an existing Air War College program (5:--,6:--). The program was expanded beyond the higher officer ranks to include all enlisted and officer personnel. DIC was added for all ranks (2:87). Salary histories were developed to determine current SS benefit values (2:--,3:--,4:--). Mr. Alford of the Montgomery Social Security Administration office frequently assisted by supplying source documents and worksheets and by answering questions.

#### TASKS

There were three major tasks accomplished as part of this project. First, the existing computer program was rewritten for use on the Zenith Z-120 computer. Second, the computer program was expanded for use by all Air Force personnel. Third, the program was refined through the elimination of unnecessary variables and functions and through the addition of appropriate documentation. Other tasks included updating benefits to current values and revising the workbook. Due to time, reorganization of the computer program into subroutines was not initiated.

#### PRODUCTS

The three products of the project are:

1. Estate Planning for Your Survivors workbook (Appendix A).
2. Survivor benefits computer program (on diskette in Appendix C, listing in Appendix D).
3. Estate Planning for Your Survivors program operator's manual (Appendix C).

The computer program is written for use on the Zenith Z-120 computer and requires an attached printer. Experienced personnel should set up the program to run.

Instructions are provided in the operator's manual. The user only need answer the questions asked of him or her by the computer. The computer printout will provide the user with a yearly benefit breakout. Each user will need the printout and a copy of the workbook. The workbook tells the user what other information he or she must gather and then guides them through the computations.

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#### Books

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#### Brochures

4. "Estimating Your Social Security Retirement Check." US Dept. of Health and Human Services, Social Security Administration, Jan 1984. (SSA Publication No. 05-10070)

#### Course Materials

5. Roscoe, John H., Lt Col, USAF. "Estate Plan Computer Program." Maxwell AFB, AL: U.S. Air Force, Air University, Air War College, 1984.
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### B. RELATED SOURCES

Kinevan, M.E. Personal Estate Planning. Englewood Cliffs, N.J.: Prentice Hall Inc., 1980.

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## APPENDIX

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### APPENDIX A

#### WORKBOOK

**ESTATE PLANNING**

**FOR YOUR SURVIVORS**

**WORKBOOK**

Views or opinions expressed or implied in this publication  
are not to be construed as carrying official sanction of  
the Air University or the Department of the Air Force.

This publication has been reviewed and approved by competent  
personnel of the preparing command in accordance with current  
directives on doctrine, policy, essentiality, propriety, and  
quality.

For official use by military personnel only.

## PREFACE

This workbook is prepared for use by active duty Air Force personnel. Together with the survivor benefits computer program, you can examine your financial status to draw conclusions about your estate. Specifically, you can evaluate your estate's ability to provide for your widow(er) and your dependent children in the event of your death.

The workbook will first assist you in determining your current net worth. Then you will assess survivor needs and survivor income. Survivor benefits will be provided to you by the survivor benefits computer program. The effects of time on survivor needs and benefits are considered. When completed, you can determine, to your own satisfaction, if your current saving, investing, and insuring levels are satisfactory to adequately provide for your survivors.

This workbook is designed for the novice; therefore, it is not inclusive. Individuals interested in the exotic and complex aspects of money dynamics must go beyond the confines of this booklet.

The author, Maj Ed Kuiper, USAF, is a course officer in the 1985 class of Air Command and Staff College. He is indebted to Col John H. Roscoe, USAF, for the use of his Air War College computer program and workbook, The Estate Plan, of which this is a revision and expansion.

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## INTRODUCTION

This workbook was prepared to provide the member a basis for periodic estate planning updates and to provide Family Support Center personnel a basis to counsel others on the process, and/or direct or manage financial management training programs.

This estate planning program was prepared using the following assumptions:

- Air Force members are often not well informed in financial planning.
- The member needs methods to intelligently sort through the myriad of financial information available.
- A method to handle multiple year planning is essential.
- An inclusive workbook on estate planning methodology is needed as a guide for present use and future application.

## Section I

### NET WORTH

Derivation of net worth is the beginning point of estate planning. It is important because it allows you to organize your financial status at a point in time.

The following pages are one format for determining your net worth. These entries vary slightly from textbook to textbook. There are two main categories in net worth. These are assets and liabilities. Assets and liabilities are further subdivided into current and long-term categories. "Current" should be thought of as liquid (easily converted to cash) or short-term assets and liabilities. "Long-term" refers primarily to things which are not highly liquid or those which are long-term in nature.

BALANCE SHEET AS OF -----

### ASSETS

#### 1. CURRENT ASSETS

a. Cash	-----
Checking account	-----
Savings account (and saving certificates)	-----
Cash value of life insurance (or annuities)	-----
Federal/state annual income tax excess paid (to date)	-----
Total cash or equivalent	-----
b. Invested assets	
Savings bonds (at current value)	-----

Common stock (at selling price)	-----
Corporate bonds (at selling price)	-----
Municipal bonds (at selling price)	-----
Mutual fund shares (redemptive value)	-----
Money market trust (latest monthly report)	-----
Other (including Certificates of Deposit minus withdrawal penalty)	-----
Total current non-cash investments	-----
TOTAL CURRENT ASSETS	

## 2. FIXED ASSETS

### a. Investment property

Real estate (land or rental houses)	-----
Business interest	-----
Pension account, profit sharing, etc.	-----
Art, coin and/or stamp collection (estimated value minus 75%)	-----
Other	-----
Total non-current investments	-----

### b. Personal real property

Residence (appraised value)	-----
Vacation home (appraised value)	-----
Total real property	-----

c. Personal property

Automobile(s) (blue book; wholesale)	-----
Motor home, trailer, camper	-----
Major appliances (cost minus 75%)	-----
Furniture (cost minus 75%)	-----
Rugs (cost minus 75%)	-----
Antiques (cost or appraisal value minus 50%)	-----
Jewelry/furs (cost minus 50%)	-----
Silver/china (cost minus 50%)	-----
Other	-----
Total personal property	-----
TOTAL FIXED ASSETS	-----

SUMMARY:

Total Current Assets	-----
Total Fixed Assets	-----
TOTAL ASSETS	-----

LIABILITIES

1. CURRENT LIABILITIES

Bills and charge accounts due	-----
Short-term loans	-----
Installment credit (under 6 months)	-----
Broker margin loans	-----

Federal/state annual income  
tax (tax owed above what is  
being withheld) -----

TOTAL CURRENT LIABILITIES -----

2. LONG-TERM LIABILITIES

Bank loans, personal loans, etc. -----

Auto/motor home, etc. loans -----

Life insurance loans on policies -----

Mortgages on residence -----

Mortgages on investment  
real estate -----

Other -----

TOTAL LONG-TERM LIABILITIES -----

SUMMARY:

Total Current Liabilities -----

Total Long-term Liabilities -----

TOTAL LIABILITIES -----

NET WORTH SUMMARY

TOTAL ASSETS ----- TOTAL LIABILITIES -----

ASSETS - LIABILITIES = NET WORTH: -----

Net worth analysis is one of the things needed before  
"hardcore" financial planning can take place. A broad look at  
your surviving spouse's financial future is next on the agenda.

## Section II

### FINANCIAL ANALYSIS

The purpose of this section is to set the foundation for your estate plan. The ultimate purpose of this workbook is to help you check your capability to provide for your dependents if you were to die. The balance of this workbook is organized to use a basic method used by financial planners called "programming". Programming is a method to determine the financial requirements of your surviving spouse, aging parents, or children. The funds available to your survivors are then balanced against the requirements. Any deficiency is made up with insurance. Sound easy? Let's get started! Since the immediate death of the "breadwinner" is usually the most costly possibility facing your family, that is the situation we assume. We will use the "die now" case. This workbook is easily adaptable to a "die in five years" case or even further in the future if you wish to work several contingencies.

This plan will use future "events". These events will be chosen on the basis of impact on income and expenses. As an example, let us say you have two children, aged 8 and 12, and you want to provide for their college education. Six years from now, when the first child begins college, your widow's (or widower's) expenses will increase that year and remain high for a period of eight years until the youngest child graduates. We want to identify that period (1991-1999) and treat it differently than the period 1985-1990. The following steps will guide you as you complete your estate plan.

**Step 1.** Run the computer benefits program to determine spouse's benefits (income). The computer generated benefits are in today's constant dollars.

**Step 2.** List the events on page A-1. Include the estimated impact per month in today's dollars for each of the affected years. Sample on page A-2. The purpose here is to identify any major (+ or -\$100) changes to monthly expenses that will occur for longer than a year. (Impacts on expenses of \$1200 a year or more).

**Step 3.** Determine surviving spouse's estimated housing needs using the following Housing Guide.

## HOUSING GUIDE

A. If you are currently living on base or renting, fill in this part. If you are buying the residence you are currently living in, skip to part B. If you are on-base or renting, the surviving spouse must either buy a residence or continue renting.

Intend to buy? Enter your anticipated down payment as a deficit at the end of this step. Enter your expected monthly payment on the rent/mortgage line on the Expense Guide, page A-3.

Intend to rent? Enter rent on rent/mortgage line on the Expense Guide, page A-3.

B. Buying your residence now? Compare current equity with expected down payment if surviving spouse intends to sell and relocate. If current equity is larger, enter surplus as equity at end of this step. If equity is less than anticipated for new down payment, enter deficit at the end of this step.

If spouse intends to sell and become a renter, enter net equity from sale at end of this step and include monthly rent on rent/mortgage line on the Expense Guide, page A-3.

Net Housing Equity + \_\_\_\_\_ or Deficit - \_\_\_\_\_.

**Step 4.** Total the surviving spouse's monthly needs using the Expense Guide on pages A-3 and A-4. Remember these are today's monthly needs with the military member deceased. They are in today's dollars.

**Step 5.** Plot the total monthly needs (expenses) as a straight horizontal line across the Expenses Worksheet on page A-5. See example on page A-6.

**Step 6.** Transfer the "Deltas" from the "Events" sheet page A-1, to the bottom of the Expenses Worksheet, page A-5. Plot the net dollar impact against the horizontal "expenses" line" you plotted in step 5. See example page A-6.

**Step 7.** Enter your total Monthly Expenses, including "delta" expenses, from the Expenses Worksheet to the computer printout, Monthly Expenses line, for each year.

**Step 8.** Calculate Survivor Income. If the surviving spouse will definitely work, estimate monthly income and enter on the computer printout, Other Income line, for each year.

**Step 9.** The following calculations will be accomplished on the computer printout.

A. Determine Total Income by adding Total Benefit to Other Income and enter on line (1).

B. Determine the Monthly Net Income by subtracting Monthly Expenses(2) from Total Income(1) and enter on line (3). Include the " - " if expenses exceed income.

C. Determine the Yearly Net Income by multiplying the Monthly Net Income by 12 and enter on line (4).

D. Determine the Present Value of the given year. First, you must select a percent you feel you can make on invested capital over future years after inflation and taxes have been subtracted. I have provided you with choices of 3% and 5%. The Present Value is calculated by multiplying the Yearly Net Income on line (4) by one of the numbers provided. The first number equates to 3% and the number in parentheses equates to 5%. Enter the result as the Present Value of the given year.

E. Sum all Present Values and enter on Total Yearly Present Value line.

**Step 10.** Enter deficit or excess from the end of step 3 to Net Housing Need line on computer printout.

**Step 11.** Determine Immediate Death Expenses. Fill in your estimated expenses and benefits. Subtract expenses from benefits and enter the result to the Net Immediate Expenses line on the computer printout.

Immediate Expenses

Funeral \$-----  
Personal debts \$-----  
Relocation \$-----

Total \$-----

Immediate Benefits

USAF Funeral benefit \$ 1400  
Social Sec. death \$ 255  
USAF lump sum \$ 3000  
USAF buys accrued leave \$-----  
USAF pays PCS costs \$-----

Total \$-----

Net Immediate Expenses: Excess +----- or Deficit ------

**Step 12.** Determine Current Cash/Liquid Needs. Total the Net Immediate Expenses, Net Housing Equity/Deficit, and Total Yearly Present Value figures and enter the amount on the Current Cash/Liquid Needs line on the computer printout.

**Step 13.** Determine Current Cash/Liquid Position of surviving spouse. You should be conservative in compiling this figure. Include assets which are liquid now (the Current Assets Section of Your Net Worth Analysis) and conservative estimates of those Fixed Assets listed in your Net Worth Analysis which you are sure the surviving spouse would liquidate upon your death. Even though you may have listed it in your Current Assets of Net Worth, do not include the cash value of member's life insurance policies.

**Current Cash/Liquid Position**

A. Total Current Assets and only those Fixed Assets to be liquidated	\$ _____
B. Total Insurance death benefit	\$ _____
Total	\$ _____

Enter Total to Current Cash/Liquid Position line on computer printout.

**Step 14. Subtract Current Needs from Current Position.**

If the Current Cash/Liquid Position exceeds the Current Cash/Liquid Needs, your survivors are in good shape. If the Current Cash/Liquid Position is less than the Current Cash/Liquid Needs, the difference is the additional estate your survivors will need upon your death.

Any deficiency can be made up with insurance. As your investments or savings increase, your insurance needs should be recomputed. Refer to Marcos E. Kinevan's Personal Estate Planning or a similar book to assist in determining the best type of insurance or investment for you. Other references are available to determine the best firms to insure or invest with.

Your estate plan should be updated every three to four years, or earlier if a significant event in your financial status has occurred.

## APPENDIX

### CRITICAL EVENTS (DELTAS)

<u>Delta</u>	<u>Date</u>	<u>Event</u>	<u>Monthly \$ Impact</u>
1	-----	-----	-----
2	-----	-----	-----
3	-----	-----	-----
4	-----	-----	-----
5	-----	-----	-----
6	-----	-----	-----
7	-----	-----	-----
8	-----	-----	-----
9	-----	-----	-----
10	-----	-----	-----

<u>Deltas</u>	<u>Date</u>	<u>Event</u>	<u>Monthly \$ Impact</u>
11	-----	-----	-----
12	-----	-----	-----
13	-----	-----	-----
14	-----	-----	-----

#### SAMPLE CRITICAL EVENTS (DELTAS)

<u>Delts</u>	<u>Date</u>	<u>Event</u>	<u>Monthly \$ Impact</u>
1	1986	Daughter starts college	-300
2	1989	Daughter graduates, daughter leaves home (decrease in expenses)	+300 +150
3	1988	Son starts college	-300
4	1991	Son graduates, son leaves home	+300 +150
5	1992	Investment_property_paid_off (decreases expenses since payment was on expense_guide_as_a_monthly_expense)	+500
6	1995	Begin care of elderly parent	-500
7	1999	Elderly parent dies (statistical age of death or your estimate)	+500

## EXPENSE GUIDE

### FIXED PAYMENTS/MONTH

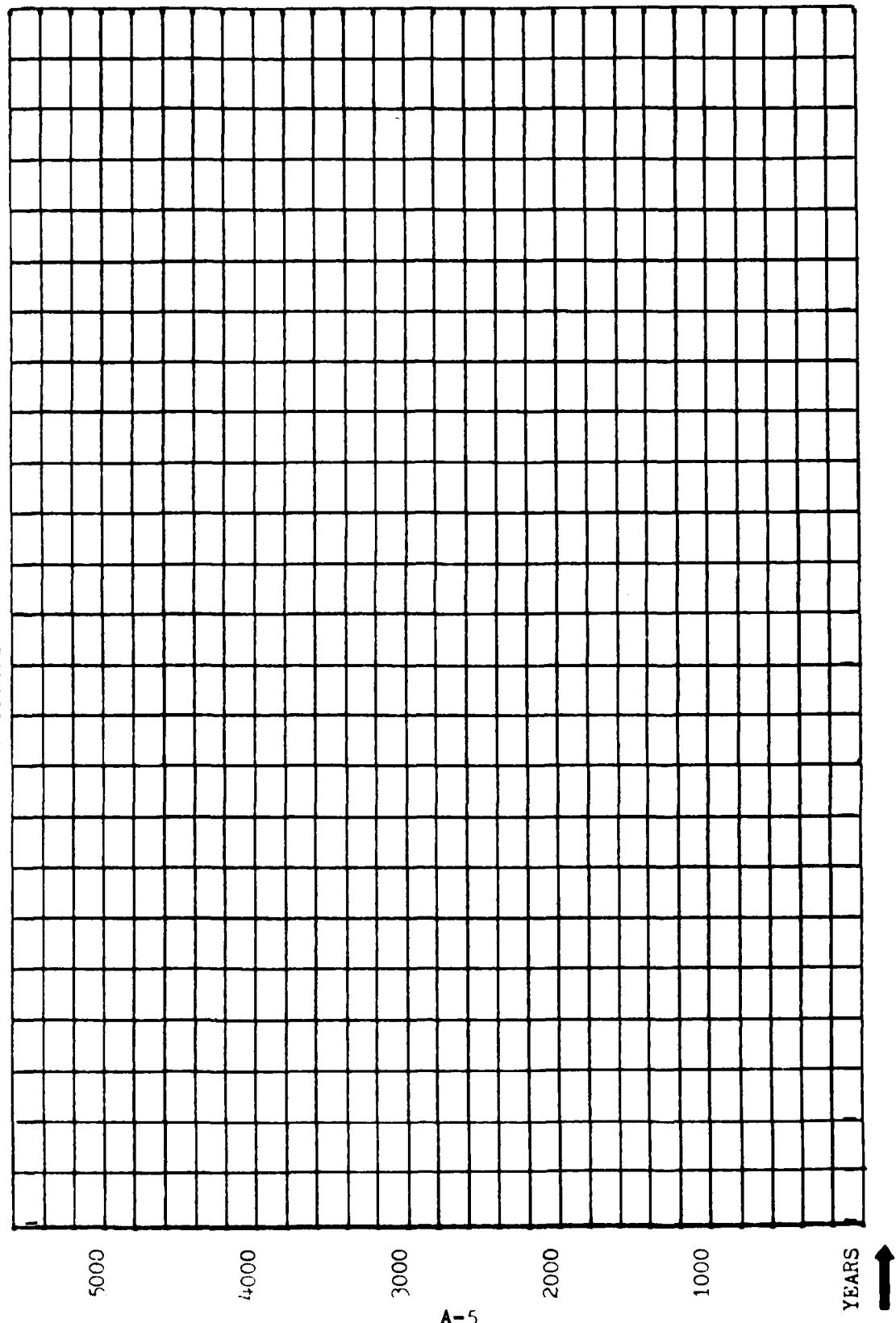
<b>Contributions</b>	-----
<b>Loan payments/interest</b>	-----
* <b>Auto insurance</b>	-----
* <b>Life insurance</b>	-----
<b>Real Estate insurance</b>	-----
<b>Rent/mortgage</b>	-----
<b>Personal taxes (not withholding)</b>	-----
* <b>Real Estate &amp; other tax</b>	-----
<b>TV cable</b>	-----
* <b>House-major maintenance</b>	-----
* <b>Auto-major maintenance</b>	-----
* <b>Medical</b>	-----
<b>Other</b> -----	-----
-----	-----
-----	-----
-----	-----
<b>Total Fixed Payments</b>	-----
<b><u>VARIABLE PAYMENTS/MONTH</u></b>	
<b>Food/beverages</b>	-----
<b>Garden</b>	-----
* <b>Annual \$ /12</b>	-----

## EXPENSE GUIDE

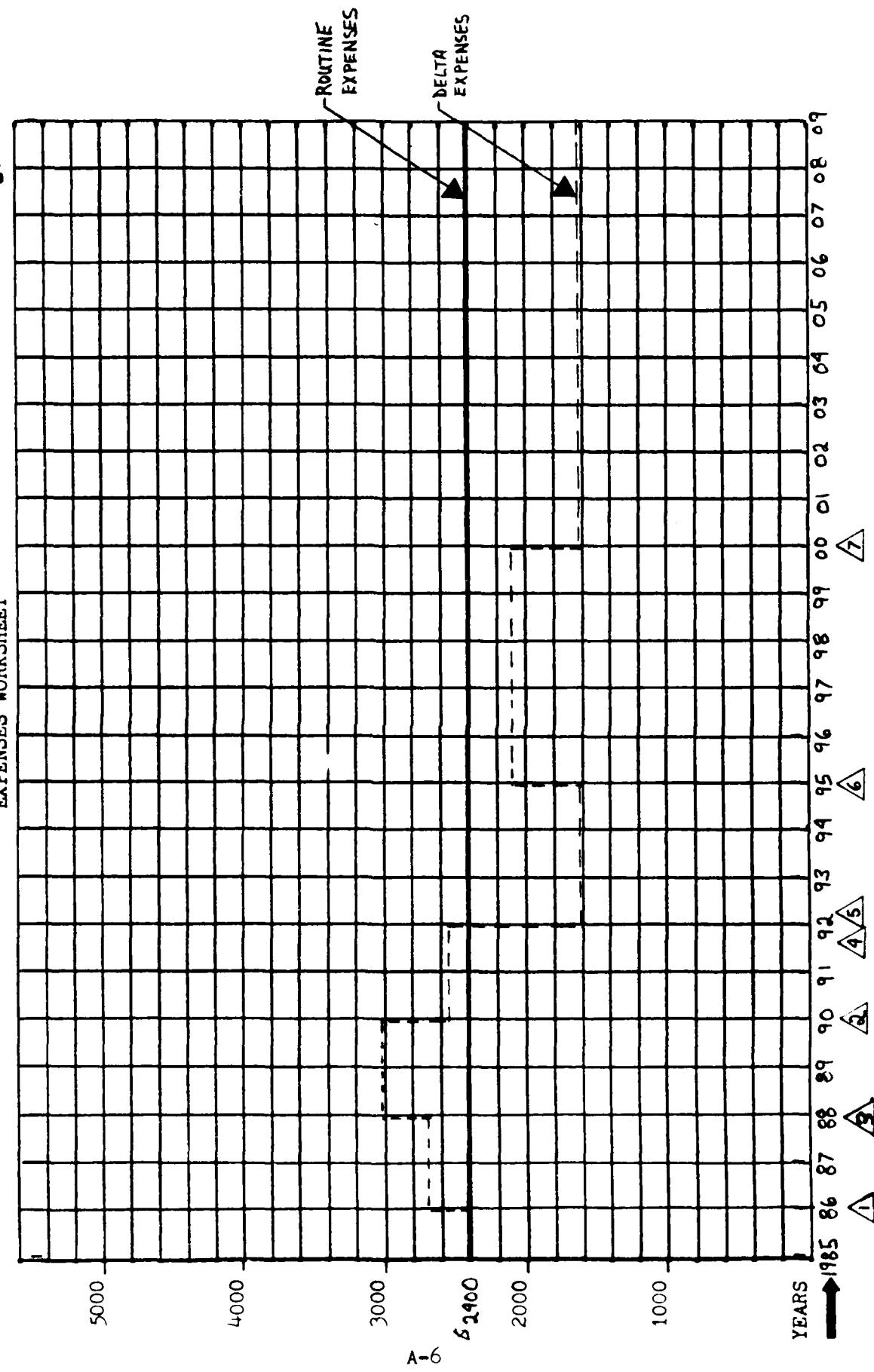
Electricity	-----
Oil or gas	-----
Water/trash/sewage	-----
Telephone	-----
Household supplies & maintenance	-----
Auto fuel	-----
Auto service & repair	-----
Personal pocket money	-----
Personal grooming	-----
Recreation	-----
Entertainment	-----
* Vacation	-----
* Education tuition/fees (If this is more than \$100/mo, skip here and add it to Events list with start and stop dates)	-----
Books/magazines/papers	-----
* Professional dues/expenses	-----
* Gifts	-----
Other _____	-----
-----	-----
-----	-----
-----	-----
Total Variable Payments	-----
TOTAL ALL PAYMENTS	-----

\* Annual \$ /12

## EXHIBITS WORKSHEET



EXPENSES WORKSHEET



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## APPENDIX

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### APPENDIX B

#### SAMPLE PRINTOUT

ESTATE PLANNING PROGRAM

THIS PROGRAM COMPUTES MONTHLY SURVIVORS BENEFITS AVAILABLE TO AN ACTIVE DUTY MEMBERS WIDOW(ER) AND DEPENDENTS.

CURRENT CALENDAR YEAR IS 1985

YOUR PAY GRADE IS O5

YOUR CURRENT BASE PAY IS \$3414.00

YEARS CREDITABLE FOR RETIREMENT ARE 20

THE AMOUNT OF YOUR SBP BENEFIT (NO OFFSET APPLIED) IS \$ 938.85

YOU ASSUME YOUR SPOUSE WOULD START TO DRAW SOCIAL SECURITY

OLD AGE BENEFITS AT THE AGE OF 65

THE NUMBER OF DEPENDENT CHILDREN IS 2

THIS PROGRAM ASSUMES NO DISABLED DEPENDENT CHILDREN AND

THAT IF YOUR CHILDREN GO TO COLLEGE THEY WILL START AT

AGE 18 AND GRADUATE AT AGE 21. IT ALSO ASSUMES THAT THEY

WILL ATTEND ONLY 9 MONTHS OF EACH OF THESE YEARS.

ONE CHILDS AGE IS 14 AND WILL NOT ATTEND COLLEGE

ONE CHILDS AGE IS 12 AND WILL ATTEND COLLEGE

YOUR SPOUSES DIC BENEFIT (CURRENT CONSTANT YEAR DOLLAR) IS \$ 751

YOUR SPOUSE WILL START USING EDUCATIONAL BENEFITS IN 1986 AND WILL STOP IN 1989

YOUR SPOUSES CURRENT AGE IS 42

MONTHLY BENEFITS FOR 1985	MONTHLY EXPENSES	(2)
SPOUSES DIC	\$751.00	
CHILDRENS DIC	\$106.00	
CHILDRENS SS SURVIVORS	\$863.33	
SPOUSES SS SURVIVORS	\$431.67	
SURVIVORS BENEFIT PLAN	\$112.71	
TOTAL BENEFIT AMOUNT	\$2264.71	(1) - (2) = (3)
+ OTHER INCOME		(3) * 12 = (4)
= TOTAL INCOME		(1) (4) * 1.00 (OR 1.00) = PRESENT VALUE OF 1985 * (5)

MONTHLY BENEFITS FOR 1986	MONTHLY EXPENSES	(2)
SPOUSES DIC	\$751.00	
CHILDRENS DIC	\$106.00	
TOTAL VA EDUCATION	\$282.00	
CHILDRENS SS SURVIVORS	\$863.33	
SPOUSES SS SURVIVORS	\$431.67	
SURVIVORS BENEFIT PLAN	\$112.71	
TOTAL BENEFIT AMOUNT	\$2546.71	(1) - (2) = (3)
+ OTHER INCOME		(3) * 12 = (4)
= TOTAL INCOME		(1) (4) * 0.97 (OR 0.95) = PRESENT VALUE OF 1986 * (5)

MONTHLY BENEFITS FOR 1987	MONTHLY EXPENSES	(2)
SPOUSES DIC	\$751.00	
CHILDRENS DIC	\$106.00	
TOTAL VA EDUCATION	\$282.00	
CHILDRENS SS SURVIVORS	\$863.33	
SPOUSES SS SURVIVORS	\$431.67	
SURVIVORS BENEFIT PLAN	\$112.71	
TOTAL BENEFIT AMOUNT	\$2546.71	(1) - (2) = (3)
+ OTHER INCOME		(3) * 12 = (4)
= TOTAL INCOME		(1) (4) * 0.94 (OR 0.90) = PRESENT VALUE OF 1987 * (5)

MONTHLY BENEFITS FOR 1988		MONTHLY EXPENSES	(2)
SPOUSES DIC	\$751.00		
CHILDRENS DIC	\$106.00		
TOTAL VA EDUCATION	\$282.00		
CHILDRENS SS SURVIVORS	\$863.33		
SPOUSES SS SURVIVORS	\$431.67		
SURVIVORS BENEFIT PLAN	\$112.71		
TOTAL BENEFIT AMOUNT	\$2546.71	(1) - (2) =	(+/-) _____ (3)
+ OTHER INCOME		(3) * 12 =	(+/-) _____ (4)
= TOTAL INCOME	_____ (1)	(4) * 0.91 (OR 0.86) =	_____ *
		PRESENT VALUE OF 1988 * (+/-)	_____ *

MONTHLY BENEFITS FOR 1989		MONTHLY EXPENSES	(2)
SPOUSES DIC	\$751.00		
CHILDRENS DIC	\$53.00		
TOTAL VA EDUCATION	\$282.00		
CHILDRENS SS SURVIVORS	\$555.00		
SURVIVORS BENEFIT PLAN	\$187.85		
TOTAL BENEFIT AMOUNT	\$1828.85	(1) - (2) =	(+/-) _____ (3)
+ OTHER INCOME		(3) * 12 =	(+/-) _____ (4)
= TOTAL INCOME	_____ (1)	(4) * 0.89 (OR 0.81) =	_____ *
		PRESENT VALUE OF 1989 * (+/-)	_____ *

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MONTHLY BENEFITS FOR 1993		MONTHLY EXPENSES	(2)
SPOUSES DIC	\$751.00		
TOTAL VA EDUCATION	\$282.00		
SURVIVORS BENEFIT PLAN	\$187.85		
TOTAL BENEFIT AMOUNT	\$1220.85	(1) - (2) =	(+/-) _____ (3)
+ OTHER INCOME		(3) * 12 =	(+/-) _____ (4)
= TOTAL INCOME	_____ (1)	(4) * 0.78 (OR 0.66) =	_____ *
		PRESENT VALUE OF 1993 * (+/-)	_____ *

MONTHLY BENEFITS FOR 1994		MONTHLY EXPENSES	(2)
SPOUSES DIC	\$751.00		
TOTAL VA EDUCATION	\$282.00		
SURVIVORS BENEFIT PLAN	\$187.85		
TOTAL BENEFIT AMOUNT	\$1220.85	(1) - (2) =	(+/-) _____ (3)
+ OTHER INCOME		(3) * 12 =	(+/-) _____ (4)
= TOTAL INCOME	_____ (1)	(4) * 0.76 (OR 0.63) =	_____ *
		PRESENT VALUE OF 1994 * (+/-)	_____ *

MONTHLY BENEFITS FOR 1995		MONTHLY EXPENSES	(2)
SPOUSES DIC	\$751.00		
SURVIVORS BENEFIT PLAN	\$187.85		
TOTAL BENEFIT AMOUNT	\$938.85	(1) - (2) =	(+/-) _____ (3)
+ OTHER INCOME		(3) * 12 =	(+/-) _____ (4)
= TOTAL INCOME	_____ (1)	(4) * 0.74 (OR 0.60) =	_____ *
		PRESENT VALUE OF 1995 * (+/-)	_____ *

MONTHLY BENEFITS FOR 1996		MONTHLY EXPENSES	(2)
SPOUSES DIC	\$751.00		
SURVIVORS BENEFIT PLAN	\$187.85		
TOTAL BENEFIT AMOUNT	\$938.85	(1) - (2) =	(+/-) _____ (3)
+ OTHER INCOME		(3) * 12 =	(+/-) _____ (4)
= TOTAL INCOME	_____ (1)	(4) * 0.72 (OR 0.57) =	_____ *
		PRESENT VALUE OF 1996 * (+/-)	_____ *

MONTHLY BENEFITS FOR 1997		MONTHLY EXPENSES	(2)
SPOUSES DIC	751.00		
SURVIVORS BENEFIT PLAN	\$187.85		
TOTAL BENEFIT AMOUNT	\$938.85	(1) - (2) =	(+/-) (3)
+ OTHER INCOME		(3) * 12 =	(+/-) (4)
= TOTAL INCOME		(1) (4) * 0.69 (OR 0.54) =	PRESENT VALUE OF 1997 * (+/-) *

---

MONTHLY BENEFITS FOR 1998		MONTHLY EXPENSES	(2)
SPOUSES DIC	751.00		
SURVIVORS BENEFIT PLAN	\$187.85		
TOTAL BENEFIT AMOUNT	\$938.85	(1) - (2) =	(+/-) (3)
+ OTHER INCOME		(3) * 12 =	(+/-) (4)
= TOTAL INCOME		(1) (4) * 0.67 (OR 0.51) =	PRESENT VALUE OF 1998 * (+/-) *

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MONTHLY BENEFITS FOR 1999		MONTHLY EXPENSES	(2)
SPOUSES DIC	751.00		
SURVIVORS BENEFIT PLAN	\$187.85		
TOTAL BENEFIT AMOUNT	\$938.85	(1) - (2) =	(+/-) (3)
+ OTHER INCOME		(3) * 12 =	(+/-) (4)
= TOTAL INCOME		(1) (4) * 0.65 (OR 0.49) =	PRESENT VALUE OF 1999 * (+/-) *

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MONTHLY BENEFITS FOR 2000		MONTHLY EXPENSES	(2)
SPOUSES DIC	751.00		
SURVIVORS BENEFIT PLAN	\$187.85		
TOTAL BENEFIT AMOUNT	\$938.85	(1) - (2) =	(+/-) (3)
+ OTHER INCOME		(3) * 12 =	(+/-) (4)
= TOTAL INCOME		(1) (4) * 0.63 (OR 0.46) =	PRESENT VALUE OF 2000 * (+/-) *

---

MONTHLY BENEFITS FOR 2001		MONTHLY EXPENSES	(2)
SPOUSES DIC	751.00		
SURVIVORS BENEFIT PLAN	\$187.85		
TOTAL BENEFIT AMOUNT	\$938.85	(1) - (2) =	(+/-) (3)
+ OTHER INCOME		(3) * 12 =	(+/-) (4)
= TOTAL INCOME		(1) (4) * 0.61 (OR 0.44) =	PRESENT VALUE OF 2001 * (+/-) *

---

MONTHLY BENEFITS FOR 2002		MONTHLY EXPENSES	(2)
SPOUSES DIC	751.00		
SURVIVORS BENEFIT PLAN	\$187.85		
TOTAL BENEFIT AMOUNT	\$938.85	(1) - (2) =	(+/-) (3)
+ OTHER INCOME		(3) * 12 =	(+/-) (4)
= TOTAL INCOME		(1) (4) * 0.60 (OR 0.42) =	PRESENT VALUE OF 2002 * (+/-) *

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MONTHLY BENEFITS FOR 2003		MONTHLY EXPENSES	(2)
SPOUSES DIC	751.00		
SURVIVORS BENEFIT PLAN	\$187.85		
TOTAL BENEFIT AMOUNT	\$938.85	(1) - (2) =	(+/-) (3)
+ OTHER INCOME		(3) * 12 =	(+/-) (4)
= TOTAL INCOME		(1) (4) * 0.58 (OR 0.40) =	PRESENT VALUE OF 2003 * (+/-) *

MONTHLY BENEFITS FOR 2004		MONTHLY EXPENSES	
SPOUSES DIC	\$751.00		
SURVIVORS BENEFIT PLAN	\$137.35		
TOTAL BENEFIT AMOUNT	\$938.85	(1) - (2) =	(+/-) (3)
+ OTHER INCOME		(3) * 12 =	(+/-) (4)
= TOTAL INCOME		(1) (4) * 0.56 (OR 0.38) =	
		PRESENT VALUE OF 2004 * (+/-) *	

MONTHLY BENEFITS FOR 2005		MONTHLY EXPENSES	
SPOUSES DIC	\$751.00		
SURVIVORS BENEFIT PLAN	\$112.71		
TOTAL BENEFIT AMOUNT	\$1603.71	(1) - (2) =	(+/-) (3)
+ OTHER INCOME		(3) * 12 =	(+/-) (4)
= TOTAL INCOME		(1) (4) * 0.54 (OR 0.36) =	
		PRESENT VALUE OF 2005 * (+/-) *	

MONTHLY BENEFITS FOR 2006		MONTHLY EXPENSES	
SPOUSES DIC	\$751.00		
SURVIVORS BENEFIT PLAN	\$112.71		
TOTAL BENEFIT AMOUNT	\$1603.71	(1) - (2) =	(+/-) (3)
+ OTHER INCOME		(3) * 12 =	(+/-) (4)
= TOTAL INCOME		(1) (4) * 0.53 (OR 0.34) =	
		PRESENT VALUE OF 2006 * (+/-) *	

MONTHLY BENEFITS FOR 2007		MONTHLY EXPENSES	
SPOUSES DIC	\$751.00		
SURVIVORS BENEFIT PLAN	\$112.71		
TOTAL BENEFIT AMOUNT	\$1603.71	(1) - (2) =	(+/-) (3)
+ OTHER INCOME		(3) * 12 =	(+/-) (4)
= TOTAL INCOME		(1) (4) * 0.51 (OR 0.32) =	
		PRESENT VALUE OF 2007 * (+/-) *	

MONTHLY BENEFITS FOR 2008		MONTHLY EXPENSES	
SPOUSES DIC	\$751.00		
SPOUSES SS OLD AGE	\$740.00		
SURVIVORS BENEFIT PLAN	\$112.71		
TOTAL BENEFIT AMOUNT	\$863.71	(1) - (2) =	(+/-) (3)
+ OTHER INCOME		(3) * 12 =	(+/-) (4)
= TOTAL INCOME		(1) (4) * 0.50 (OR 0.31) =	
		PRESENT VALUE OF 2008 * (+/-) *	

MONTHLY BENEFITS FOR 2009		MONTHLY EXPENSES	
SPOUSES DIC	\$751.00		
SPOUSES SS OLD AGE	\$740.00		
SURVIVORS BENEFIT PLAN	\$112.71		
TOTAL BENEFIT AMOUNT	\$863.71	(1) - (2) =	(+/-) (3)
+ OTHER INCOME		(3) * 12 =	(+/-) (4)
= TOTAL INCOME		(1) (4) * 0.48 (OR 0.29) =	
		PRESENT VALUE OF 2009 * (+/-) *	

MONTHLY BENEFITS FOR 2010		MONTHLY EXPENSES	
SPOUSES DIC	\$751.00		
SPOUSES SS OLD AGE	\$740.00		
SURVIVORS BENEFIT PLAN	\$112.71		
TOTAL BENEFIT AMOUNT	\$863.71	(1) - (2) =	(+/-) (3)
+ OTHER INCOME		(3) * 12 =	(+/-) (4)
= TOTAL INCOME		(1) (4) * 0.47 (OR 0.28) =	
		PRESENT VALUE OF 2010 * (+/-) *	

MONTHLY BENEFITS FOR 2011		MONTHLY EXPENSES	
SPOUSES DIC	\$751.00	(1) - (2) =	(+/-) _____ (3)
SPOUSES SS OLD AGE	\$743.00	(3) * 12 =	(+/-) _____ (4)
SURVIVORS BENEFIT PLAN	\$112.71		
TOTAL BENEFIT AMOUNT	\$863.71		
+ OTHER INCOME			
= TOTAL INCOME	_____ (1)	(4) * .45 (OR .26) =	PRESENT VALUE OF 2011 * (+/-) _____ *

MONTHLY BENEFITS FOR 2012		MONTHLY EXPENSES	
SPOUSES DIC	\$751.00	(1) - (2) =	(+/-) _____ (3)
SPOUSES SS OLD AGE	\$743.00	(3) * 12 =	(+/-) _____ (4)
SURVIVORS BENEFIT PLAN	\$112.71		
TOTAL BENEFIT AMOUNT	\$863.71		
+ OTHER INCOME			
= TOTAL INCOME	_____ (1)	(4) * .44 (OR .25) =	PRESENT VALUE OF 2012 * (+/-) _____ *

MONTHLY BENEFITS FOR 2013		MONTHLY EXPENSES	
SPOUSES DIC	\$751.00	(1) - (2) =	(+/-) _____ (3)
SPOUSES SS OLD AGE	\$743.00	(3) * 12 =	(+/-) _____ (4)
SURVIVORS BENEFIT PLAN	\$112.71		
TOTAL BENEFIT AMOUNT	\$863.71		
+ OTHER INCOME			
= TOTAL INCOME	_____ (1)	(4) * .43 (OR .24) =	PRESENT VALUE OF 2013 * (+/-) _____ *

MONTHLY BENEFITS FOR 2014		MONTHLY EXPENSES	
SPOUSES DIC	\$751.00	(1) - (2) =	(+/-) _____ (3)
SPOUSES SS OLD AGE	\$743.00	(3) * 12 =	(+/-) _____ (4)
SURVIVORS BENEFIT PLAN	\$112.71		
TOTAL BENEFIT AMOUNT	\$863.71		
+ OTHER INCOME			
= TOTAL INCOME	_____ (1)	(4) * .41 (OR .23) =	PRESENT VALUE OF 2014 * (+/-) _____ *

MONTHLY BENEFITS FOR 2015		MONTHLY EXPENSES	
SPOUSES DIC	\$751.00	(1) - (2) =	(+/-) _____ (3)
SPOUSES SS OLD AGE	\$743.00	(3) * 12 =	(+/-) _____ (4)
SURVIVORS BENEFIT PLAN	\$112.71		
TOTAL BENEFIT AMOUNT	\$863.71		
+ OTHER INCOME			
= TOTAL INCOME	_____ (1)	(4) * .40 (OR .21) =	PRESENT VALUE OF 2015 * (+/-) _____ *

MONTHLY BENEFITS FOR 2016		MONTHLY EXPENSES	
SPOUSES DIC	\$751.00	(1) - (2) =	(+/-) _____ (3)
SPOUSES SS OLD AGE	\$743.00	(3) * 12 =	(+/-) _____ (4)
SURVIVORS BENEFIT PLAN	\$112.71		
TOTAL BENEFIT AMOUNT	\$863.71		
+ OTHER INCOME			
= TOTAL INCOME	_____ (1)	(4) * .39 (OR .20) =	PRESENT VALUE OF 2016 * (+/-) _____ *

MONTHLY BENEFITS FOR 2017		MONTHLY EXPENSES	
SPOUSES DIC	\$751.00	(1) - (2) =	(+/-) _____ (3)
SPOUSES SS OLD AGE	\$743.00	(3) * 12 =	(+/-) _____ (4)
SURVIVORS BENEFIT PLAN	\$112.71		
TOTAL BENEFIT AMOUNT	\$863.71		
+ OTHER INCOME			
= TOTAL INCOME	_____ (1)	(4) * .38 (OR .19) =	PRESENT VALUE OF 2017 * (+/-) _____ *

MONTHLY BENEFITS FOR 2018		MONTHLY EXPENSES	(2)
SPOUSES DIC	\$751.00		
SPOUSES SS OLD AGE	\$740.00		
SURVIVORS BENEFIT PLAN	\$112.71		
TOTAL BENEFIT AMOUNT	\$863.71	(1) - (2) =	(+/-) (3)
+ OTHER INCOME		(3) * 12 =	(+/-) (4)
= TOTAL INCOME		(1) (4) * 0.37 (OR 0.18) =	PRESENT VALUE OF 2018 * (+/-) *

MONTHLY BENEFITS FOR 2019		MONTHLY EXPENSES	(2)
SPOUSES DIC	\$751.00		
SPOUSES SS OLD AGE	\$740.00		
SURVIVORS BENEFIT PLAN	\$112.71		
TOTAL BENEFIT AMOUNT	\$863.71	(1) - (2) =	(+/-) (3)
+ OTHER INCOME		(3) * 12 =	(+/-) (4)
= TOTAL INCOME		(1) (4) * 0.36 (OR 0.17) =	PRESENT VALUE OF 2019 * (+/-) *

MONTHLY BENEFITS FOR 2020		MONTHLY EXPENSES	(2)
SPOUSES DIC	\$751.00		
SPOUSES SS OLD AGE	\$740.00		
SURVIVORS BENEFIT PLAN	\$112.71		
TOTAL BENEFIT AMOUNT	\$863.71	(1) - (2) =	(+/-) (3)
+ OTHER INCOME		(3) * 12 =	(+/-) (4)
= TOTAL INCOME		(1) (4) * 0.34 (OR 0.17) =	PRESENT VALUE OF 2020 * (+/-) *

MONTHLY BENEFITS FOR 2021		MONTHLY EXPENSES	(2)
SPOUSES DIC	\$751.00		
SPOUSES SS OLD AGE	\$740.00		
SURVIVORS BENEFIT PLAN	\$112.71		
TOTAL BENEFIT AMOUNT	\$863.71	(1) - (2) =	(+/-) (3)
+ OTHER INCOME		(3) * 12 =	(+/-) (4)
= TOTAL INCOME		(1) (4) * 0.33 (OR 0.16) =	PRESENT VALUE OF 2021 * (+/-) *

MONTHLY BENEFITS FOR 2022		MONTHLY EXPENSES	(2)
SPOUSES DIC	\$751.00		
SPOUSES SS OLD AGE	\$740.00		
SURVIVORS BENEFIT PLAN	\$112.71		
TOTAL BENEFIT AMOUNT	\$863.71	(1) - (2) =	(+/-) (3)
+ OTHER INCOME		(3) * 12 =	(+/-) (4)
= TOTAL INCOME		(1) (4) * 0.32 (OR 0.15) =	PRESENT VALUE OF 2022 * (+/-) *

MONTHLY BENEFITS FOR 2023		MONTHLY EXPENSES	(2)
SPOUSES DIC	\$751.00		
SPOUSES SS OLD AGE	\$740.00		
SURVIVORS BENEFIT PLAN	\$112.71		
TOTAL BENEFIT AMOUNT	\$863.71	(1) - (2) =	(+/-) (3)
+ OTHER INCOME		(3) * 12 =	(+/-) (4)
= TOTAL INCOME		(1) (4) * 0.31 (OR 0.14) =	PRESENT VALUE OF 2023 * (+/-) *

TOTAL YEARLY PRESENT VALUES (*__*)	** (+/-) _____ **
NET HOUSING EQUITY/DEFICIT (STEP 3)	(+/-) _____
NET IMMEDIATE EXPENSES (STEP 11)	(+/-) _____
CURRENT CASH/LIQUID NEEDS (STEP 12)	(-) _____
CURRENT CASH/LIQUID POSITION (STEP 13)	(+) _____
TOTAL CURRENT NEEDS AND POSITION	(+/-) _____

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## APPENDIX

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APPENDIX C

OPERATOR'S MANUAL

**ESTATE PLANNING**

**FOR YOUR SURVIVORS**

**OPERATOR'S MANUAL**

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## PREFACE

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This manual is prepared for use by Family Support Center personnel and others to assist in setting up the survivor benefits program for use by their clients. This manual also provides the documentation for easier updating of the program.

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## Chapter One

### SETTING UP THE PROGRAM

This program was prepared for use on a Zenith Z-120 computer (commonly referred to as Z-100) and requires a printer. The program will ask the user several questions and tell him or her how to answer. The user should be able to answer all questions with the possible exception of current base pay. I recommend that you have a current monthly basic pay chart handy.

Perform the following steps to prepare the program for the user:

1. Insert the diskette into the top drive of the computer.
2. Turn on the printer.
3. Turn on the computer.
4. After the date and time prompts, press the RETURN key.
5. After the A: prompt, type ZBASIC and press the RETURN key.
6. After the OK prompt, type LOAD "ESTATE" and press the RETURN key.
7. After the OK prompt, type RUN and press the RETURN key.

The program will run until the surviving widow(er) reaches the age of 80. The user will require the computer printout and a copy of the Estate Planning for Your Survivors workbook to complete his or her estate planning.

## Chapter Two

### UPDATING THE PROGRAM

The survivor benefits program is affected by increases or changes in benefits. Benefits included in this program are:

Dependency and Indemnity Compensation (DIC)  
VA Education Benefit  
Social Security Survivor Benefit  
Social Security Old Age Benefit  
Survivors Benefit Plan

The benefits are most likely to increase. To change the program you must know how and what to change. You must accomplish the following steps to make a change:

1. Insert diskette into the top drive of the computer.
2. Turn on the computer.
3. After the date and time prompts, press the RETURN key.
4. After the A: prompt, type ZBASIC and press the RETURN key.
5. After the OK prompt, type LOAD "ESTATE" and press the RETURN key.
6. After the OK prompt, type EDIT 111 and press the RETURN key (111 being the line # needing updating).
7. Change values of numbers as necessary.
8. Press RETURN key.

NOTE: Steps 6 - 8 must be accomplished for each line that needs updating.

The benefit values most likely to change are listed on the next page with their computer names, line numbers, current values, currency date, and space to enter updated values and dates. Among the sources for the updated values are the Uniformed Services Almanac, local Social Security Administration office, and/or the local Veterans Administration office.

**BENEFIT VALUE UPDATE**

<b>BENEFIT NAME</b>	<b>COMPUTER NAME</b>	<b>LINE #</b>	<b>CURRENT DATE</b>	<b>UPDATED DATE</b>	<b>UPDATED DATE</b>
DIC-Child	D7	1460	53 APR 84	-----	-----
DIC-Spouse	DO				
Rank-E1		921	APR 84 461	-----	-----
E2		922	475	-----	-----
E3		923	486	-----	-----
E4		924	518	-----	-----
E5		925	532	-----	-----
E6		926	544	-----	-----
E7		927	571	-----	-----
E8		928	602	-----	-----
E9		929	629	-----	-----
01		931	583	-----	-----
02		932	602	-----	-----
03		933	644	-----	-----
04		934	681	-----	-----
05		935	751	-----	-----
06		936	846	-----	-----
07		937	915	-----	-----
08		938	1003	-----	-----
09		939	1077	-----	-----

<u>BENEFIT NAME</u>	<u>COMPUTER NAME</u>	<u>LINE #</u>	<u>CURRENT DATE</u>	<u>UPDATED DATE</u>	<u>UPDATED DATE</u>
<b>SOCIAL SECURITY W8</b>					
DEC 84 -----					
NOTE: The current values must be multiplied by percentage of increase in Social Security Benefits to update values.					
Rank:E1		921	0	-----	-----
E2		922	0	-----	-----
E3		923	382	-----	-----
E4		924	431	-----	-----
E5		925	483	-----	-----
E6		926	511	-----	-----
E7		927	542	-----	-----
E8		928	594	-----	-----
E9		929	640	-----	-----
01		931	528	-----	-----
02		932	568	-----	-----
03		933	749	-----	-----
04		934	769	-----	-----
05		935	805	-----	-----
06		936	779	-----	-----
07		937	765	-----	-----
08		938	751	-----	-----
09		939	743	-----	-----
VA Education	VO	1580	376 DEC 84	-----	-----
	VO	1640		-----	-----

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## APPENDIX

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### APPENDIX D

#### COMPUTER PROGRAM LISTING

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5      '21 FEB 85 UPDATE
10 PRINT "ESTATE PLANNING PROGRAM"
12 LPRINT "ESTATE PLANNING PROGRAM"
14 PRINT
16 LPRINT
20 PRINT "THIS PROGRAM COMPUTES MONTHLY SURVIVORS BENEFITS
AVAILABLE"
22 PRINT " TO AN ACTIVE DUTY MEMBERS WIDOW(ER) AND DEPENDENTS."
24 LPRINT "THIS PROGRAM COMPUTES MONTHLY SURVIVORS BENEFITS
AVAILABLE"
26 LPRINT " TO AN ACTIVE DUTY MEMBERS WIDOW(ER) AND DEPENDENTS."
30 REM THIS PROGRAM IS PART OF AIR COMMAND AND STAFF COLLEGE
PROJECT
32 '#85-1510 DATED JUN 85. INSTRUCTIONS TO UPDATE ARE IN
OPERATORS
34 'MANUAL WHICH ACCOMPANIED THIS PROGRAM.
40 DIM C(10), C$(10)
42 T9 = 0      'INITIALIZE CONTROL VARIABLE USED IN SS OLD AGE
43 S0 = 0      'INITIALIZE SBP(NO OFFSET APPLIED)
44 Z9 = 0      'INITIALIZE CONTROL VARIABLE USED IN SBP
45 D0 = 0      'INITIALIZE DIC-SPOUSE
46 Z = 0      'INITIALIZE DIC-SPOUSE
60 PRINT      'INITIALIZE TO CHILD #1
110 PRINT "ENTER DATA AS REQUESTED"
150 PRINT
152 LPRINT
160 PRINT "ENTER CURRENT CALENDAR YEAR";
170 INPUT A1
180 PRINT "(YES/NO) IS CURRENT CALENDAR YEAR";A1;
190 INPUT H$
194 IF H$ = "YES" THEN 210      'CORRECT - CONTINUE
200 IF H$ = "NO" THEN 160      'INCORRECT - REENTER
204 PRINT "ERROR IN INPUT"
206 GOTO 180      'CONFIRM
210 LPRINT "CURRENT CALENDAR YEAR IS ";A1
310 PRINT "ENTER YOUR PAY GRADE (E1,E2,...,O1,O2,...)";
320 INPUT OS
330 PRINT "(YES/NO) YOUR PAY GRADE IS ";OS;
335 INPUT QS
340 IF QS = "YES" THEN 360
345 IF QS = "NO" THEN 310
350 PRINT "ERROR IN INPUT"
355 GOTO 310
360 LPRINT "YOUR PAY GRADE IS ";OS
365 PRINT "ARE YOU CURRENTLY ELIGIBLE FOR RETIREMENT(YES/NO)";
375 INPUT AS
385 IF AS = "YES" THEN 420      'SBP (NO OFFSET APPLIED)
CALCULATIONS
395 IF AS = "NO" THEN 520
405 PRINT "ERROR IN INPUT"
415 GOTO 365
420 PRINT "ENTER YOUR CURRENT BASE PAY(NO DOLLAR SIGN)";
425 INPUT P2
430 PRINT "(YES/NO) IS YOUR BASE PAY";

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```

435 PRINT USING " $$####.##";P2
440 INPUT B$
445 IF B$ = "YES" THEN 465
450 IF B$ = "NO" THEN 420
455 PRINT "ERROR IN INPUT"
460 GOTO 430
465 LPRINT "YOUR CURRENT BASE PAY IS ";
470 LPRINT USING " $$##.##";P2
480 PRINT "ENTER YEARS OF SERVICE CREDITABLE FOR RETIREMENT";
482 INPUT P3
484 PRINT "(YES/NO) IS YEARS CREDITABLE FOR RETIREMENT";P3:
486 INPUT D$
488 IF D$ = "YES" THEN 496
490 IF D$ = "NO" THEN 480
492 PRINT "ERROR IN INPUT"
494 GOTO 484
496 LPRINT "YEARS CREDITABLE FOR RETIREMENT ARE ";P3
500 S0 = .55*((P2*P3)*.025)
505 PRINT "THE AMOUNT OF YOUR SBP BENEFIT(NO OFFSET APPLIED) IS "
";
506 PRINT USING " $$##.##";S0
510 LPRINT "THE AMOUNT OF YOUR SBP BENEFIT(NO OFFSET APPLIED) IS "
";
511 LPRINT USING " $$##.##";S0
520 PRINT "AT WHAT AGE DO YOU ASSUME YOUR SPOUSE WOULD START TO
DRAW SOCIAL"
530 PRINT "SECURITY OLD AGE BENEFITS(60,61,62,63,64,65)";
540 INPUT T2
550 IF T2 >= 60 AND T2 <= 65 THEN 595
580 PRINT "ERROR IN INPUT"
590 GOTO 520
595 LPRINT "YOU ASSUME YOUR SPOUSE WOULD START TO DRAW SOCIAL
SECURITY"
596 LPRINT " OLD AGE BENEFITS AT THE AGE OF ";T2
600 PRINT "ENTER NUMBER OF DEPENDENT CHILDREN";
610 INPUT C0
611 PRINT
620 PRINT "(YES/NO) IS THE NUMBER OF DEPENDENT CHILDREN";C0;
630 INPUT E$
640 IF E$ = "YES" THEN 655
650 IF E$ = "NO" THEN 600
651 PRINT "ERROR IN INPUT"
652 GOTO 620
655 LPRINT "THE NUMBER OF DEPENDENT CHILDREN IS ";C0
660 IF C0 = 0 THEN 921      'SKIP ? ON CHILDREN
670 PRINT
680 PRINT
690 PRINT "THIS PROGRAM ASSUMES NO DISABLED DEPENDENT CHILDREN
AND"
700 PRINT "THAT IF YOUR CHILDREN GO TO COLLEGE THEY WILL START
AT"
710 PRINT "AGE 18 AND GRADUATE AT AGE 21.  IT ALSO ASSUMES THAT
THEY"
720 PRINT "WILL ATTEND ONLY 9 MONTHS OF EACH OF THESE YEARS."

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```

730 LPRINT "THIS PROGRAM ASSUMES NO DISABLED DEPENDENT CHILDREN
AND"
732 LPRINT "THAT IF YOUR CHILDREN GO TO COLLEGE THEY WILL START
AT"
734 LPRINT "AGE 18 AND GRADUATE AT AGE 21. IT ALSO ASSUMES THAT
THEY"
736 LPRINT "WILL ATTEND ONLY 9 MONTHS OF EACH OF THESE YEARS."
740 PRINT "ENTER CHILDRENS AGES(OLDEST TO YOUNGEST) AND IF YOU
ASSUME"
750 PRINT "THIS CHILD WOULD ATTEND COLLEGE(YES/NO).ENTER AGE
FIRST"
760 PRINT "THEN A COMMA AND THEN EITHER YES OR NO."
770 INPUT C(Z),C$(Z)
780 IF C$(Z) = "YES" THEN 800
790 IF C$(Z) = "NO" THEN 820
795 GOTO 740
800 F$ = " WILL "
810 GOTO 830
820 F$ = " WILL NOT "
830 PRINT "(YES/NO)CHILDS AGE IS";C(Z);";AND";F$;"ATTEND COLLEGE";
840 INPUT GS
850 IF GS = "YES" THEN 895
860 IF GS = "NO" THEN 880
870 GOTO 830
880 PRINT "REENTER DATA FOR THIS CHILD"
890 GOTO 770
895 LPRINT "ONE CHILDS AGE IS";C(Z);";AND";F$;"ATTEND COLLEGE"
900 Z = Z + 1      'SET TO NEXT CHILD
905 IF Z = C0 THEN 921
910 PRINT "ENTER DATA FOR NEXT CHILD"
915 GOTO 770
920      'SET VALUES FOR DIC (DO) AND SS PRIMARY INSURANCE AMOUNT
(W8)
921 IF OS = "E1" THEN D0 = 461:W8=0:GOTO 1000
922 IF OS = "E2" THEN D0 = 475:W8=0:GOTO 1000
923 IF OS = "E3" THEN D0=486:W8=395:GOTO 1010
924 IF OS = "E4" THEN D0=518:W8=450:GOTO 1010
925 IF OS = "E5" THEN D0=532:W8=505:GOTO 1010
926 IF OS = "E6" THEN D0=544:W8=525:GOTO 1010
927 IF OS = "E7" THEN D0=571:W8=530:GOTO 1010
928 IF OS = "E8" THEN D0=602:W8=570:GOTO 1010
929 IF OS = "E9" THEN D0=629:W8=610:GOTO 1010
931 IF OS = "01" OR OS = "01" THEN D0 = 583:W8 = 555:GOTO 1000
932 IF OS = "02" OR OS = "02" THEN D0 = 602:W8 = 600:GOTO 1010
933 IF OS = "03" OR OS = "03" THEN D0 = 644:W8 = 730:GOTO 1010
934 IF OS = "04" OR OS = "04" THEN D0 = 681:W8 = 725:GOTO 1010
935 IF OS = "05" OR OS = "05" THEN D0 = 751:W8 = 740:GOTO 1010
936 IF OS = "06" OR OS = "06" THEN D0 = 846:W8 = 730:GOTO 1010
937 IF OS = "07" OR OS = "07" THEN D0 = 915:W8 = 715:GOTO 1010
938 IF OS = "08" OR OS = "08" THEN D0 = 1003:W8 = 700:GOTO 1010
939 IF OS = "09" OR OS = "09" THEN D0 = 1077:W8 = 690:GOTO 1010
1000 PRINT "MEMBERS WIDOW(ER) AND DEPENDENT CHILDREN WILL HAVE NO
SS"
1001 PRINT "BENEFITS UNLESS MEMBER HAD A MINIMUM OF 1 1/2"

```

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1002 PRINT " YEARS OF SOCIAL SECURITY TAXED EARNINGS."
1005 LPRINT "MEMBERS WIDOW(ER) AND DEPENDENT CHILDREN WILL HAVE
NO SS "
1006 LPRINT "BENEFITS UNLESS MEMBER HAD A MINIMUM OF 1 1/2"
1007 LPRINT " YEARS OF SOCIAL SECURITY TAXED EARNINGS."
1010 PRINT "YOUR SPOUSES DIC BENEFIT(CURRENT CONSTANT YEAR
DOLLAR) IS $";D0
1011 LPRINT "YOUR SPOUSES DIC BENEFIT(CURRENT CONSTANT YEAR
DOLLAR) IS $";D0
1050 PRINT "WILL YOUR SPOUSE USE VA EDUCATIONAL BENEFITS
(YES/NO)";
1060 INPUT WS
1070 IF WS = "YES" THEN 1140
1080 IF WS = "NO" THEN 1220
1090 PRINT "ERROR IN INPUT"
1100 GOTO 1050
1140 PRINT "ENTER CALENDAR YEAR SPOUSE WILL START USING
EDUCATIONAL BENEFIT";
1150 INPUT W0
1160 PRINT "ENTER CALENDAR YEAR SPOUSE WILL STOP USING BENEFITS";
1170 INPUT W1
1180 PRINT "(YES/NO) YOUR SPOUSE WILL START USING EDUCATIONAL
BENEFITS IN ";W0;
1182 PRINT "AND WILL STOP IN ";W1;
1185 INPUT W0$
1190 IF W0$ = "YES" THEN 1220
1195 IF W0$ = "NO" THEN 1140
1200 PRINT "ERROR IN INPUT"
1210 GOTO 1140
1220 N1 = A1      'COMPUTER YEAR - INITIALIZED AT CURRENT YEAR
1230 LPRINT "YOUR SPOUSE WILL START USING EDUCATIONAL BENEFITS IN
";W0;
1232 LPRINT "AND WILL STOP IN";W1
1240 PRINT "ENTER YOUR SPOUSES CURRENT AGE"
1250 INPUT T1
1260 T3 = T1      'COMPUTER AGE OF SPOUSE - INITIALIZED AT CURRENT
AGE
1270 PRINT "(YES/NO) YOUR SPOUSES CURRENT AGE IS";T1;
1280 INPUT TS
1290 IF TS = "YES" THEN 1320
1291 IF TS = "NO" THEN 1240
1300 PRINT "ERROR IN INPUT"
1310 GOTO 1270
1320 LPRINT "YOUR SPOUSES CURRENT AGE IS";T1
1330 LPRINT
1340 PRINT      'START PRINTING YEARLY SUMMARY OF BENEFITS
1363 PRINT "MONTHLY BENEFITS FOR";N1;"          MONTHLY
EXPENSES";
1362 PRINT "           (2)""
1370 PRINT "      SPOUSES DIC      ";
1380 PRINT USING "      $S###.##";D0
1382 LPRINT "MONTHLY BENEFITS FOR";N1;"          MONTHLY
EXPENSES";
1383 LPRINT "           (2)""

```

```

1384 LPRINT "      SPOUSES DIC      ";
1385 LPRINT USING "      $$####.##";D0
1390 Z = 0
1400 IF C0 = 0 THEN 1540
1410 D2 = 0      'DIC - ALL CHILDREN - INITIALIZE AND THEN
CALCULATE
1420 Z = 0      'RESET TO CHILD #1
1430 IF C(Z) < 18 THEN 1460
1450 GOTO 1480
1460 D7 = 53      'DIC - CHILD
1470 D2 = D7 + D2
1480 Z = Z + 1
1490 IF Z = C0 THEN 1510
1500 GOTO 1430
1510 IF D2 = 0 THEN 1540
1520 PRINT "      CHILDRENS DIC      ";
1530 PRINT USING "      $$####.##";D2
1535 LPRINT "      CHILDRENS DIC      ";
1536 LPRINT USING "      $$####.##";D2
1540 V0 = 0      'VA EDUC - INITIALIZE AND THEN CALCULATE
1550 IF W$ = "NO" THEN 1590
1560 IF N1 < W0 THEN 1590
1570 IF N1 > W1 THEN 1590
1580 V0 = 376      'VA EDUC - SPOUSE
1590 IF C0 = 0 THEN 1680
1600 Z = 0
1610 IF C(Z) < 18 THEN 1650
1620 IF C(Z) > 21 THEN 1650
1630 IF C$(Z) = "NO" THEN 1650
1640 V0 = V0 + 376      'TOTAL VA EDUC
1650 Z = Z + 1
1660 IF Z = C0 THEN 1680
1670 GOTO 1610
1680 IF V0 = 0 THEN 1720
1690 V0 = V0*.75      'ADJUSTED FOR 9 MONTH/YEAR USE
1700 PRINT "      TOTAL VA EDUCATION ";
1710 PRINT USING "      $$####.##";V0
1712 LPRINT "      TOTAL VA EDUCATION ";
1714 LPRINT USING "      $$####.##";V0
1720      'CALCULATE SS BENEFITS
1730 IF T3 < T2 THEN 1760
1740 S3 = W8 - (W8 * .00475 * (65 - T2) * 12)      'SPOUSES SS OLD
AGE
1741 IF T9 = 1 THEN 2391
1750 GOTO 1770
1760 S3 = 0
1770 S7 = .75 * W8      'CHILD SS SURVIVORS
1780 S6 = 0      'CHILDRENS SS SURVIVORS
1785 W9 = W8 * 1.75      'SS MAXIMUM FAMILY BENEFIT
1800 Y1 = 0      '# CHILDREN LESS THAN 18 YRS OLD
1810 Y = 0      'SPOUSES SS SURVIVORS
1820 Z = 0
1830 IF C0 = 0 THEN 2160
1840 IF C(Z) > 15 THEN 1860

```

```

1850 Y = .75 * W8
1860 IF C(Z) > 17 THEN 1880
1870 Y1 = Y1 + 1
1880 Z = Z + 1
1890 IF Z = C0 THEN 1910
1900 GOTO 1840
1910 S6 = Y1 * S7
1920 IF Y1 = 0 THEN 2160
1930 IF S3 < Y THEN 1960
1940 Y = S3
1950 Y9 = 1
1960 IF Y = 0 THEN 2050
1970 IF S6 + Y > W9 THEN 2000
1990 GOTO 2090
2000 IF S6 > W9 THEN 2020
2010 IF W9 - S6 > W9 / (Y1 + 1) THEN 2030
2020 Y = W9 / (Y1 + 1)
2030 S6 = (W9 / (Y1 + 1)) * Y1
2040 GOTO 2090
2050 IF Y1 * S7 > W9 THEN 2080
2070 GOTO 2090
2080 S6 = W9
2090 IF S6 = 0 THEN 2110
2100 PRINT " CHILDRENS SS SURVIVORS";
2101 PRINT USING " $$$$$#.##";S6
2102 LPRINT " CHILDRENS SS SURVIVORS";
2103 LPRINT USING " $$$$$#.##";S6
2110 IF Y9 = 1 THEN 2160
2120 IF Y = 0 THEN 2160
2130 PRINT " SPOUSES SS SURVIVORS";
2140 PRINT USING " $$$$$#.##";Y
2142 LPRINT " SPOUSES SS SURVIVORS";
2144 LPRINT USING " $$$$$#.##";Y
2150 S3 = 0
2160 IF S3 = 0 THEN 2190
2170 PRINT " SPOUSES SS OLD AGE ";
2180 PRINT USING " $$$$$#.##";S3
2182 LPRINT " SPOUSES SS OLD AGE ";
2184 LPRINT USING " $$$$$#.##";S3
2190 IF AS = "NO" THEN 2260
2195 'CALCULATE SBP (OFFSET APPLIED) (S2)
2200 IF C0 = 0 THEN 2208
2201 Z = 0
2202 Z9 = 0
2203 IF C(Z) > 15 THEN 2205
2204 Z9 = Z9 +1
2205 Z = Z + 1
2206 IF Z = C0 THEN 2208
2207 GOTO 2213
2208 IF Z9 > 1 THEN 2211
2210 GOTO 2213
2211 O2 = 0 'PART OF SBP OFFSET
2212 GOTO 2221
2213 IF T3 < 62 THEN 2220

```

```

2214 IF T2 < 62 THEN 2220
2216 T9 = 1
2217 GOTO 1740
2220 O2 = S3 + Y
2221 IF O2 < .4 * (S0 - D0) THEN 2240
2230 O2 = .4 * (S0 - D0)
2240 S2 = S0 - D0 - O2
2250 GOTO 2270
2260 S2 = 0
2270 IF S2 = 0 THEN 2292
2280 PRINT " SURVIVORS BENEFIT PLAN";
2282 PRINT USING " $$###.##";S2
2284 LPRINT " SURVIVORS BENEFIT PLAN";
2286 LPRINT USING " $$###.##";S2
2292 T7 = D0 + D2 + V0 + Y + S6 + S3 + S2      'TOTAL OF BENEFITS
2293 PRINT USING " TOTAL BENEFIT AMOUNT $$###.##";T7;
2294 PRINT " (1) - (2) = ( +/- ) (3)"
2295 LPRINT USING " TOTAL BENEFIT AMOUNT $$###.##";T7;
2296 LPRINT " (1) - (2) = ( +/- ) (3)"
2300 A7 = N1 - A1      '# COMPUTER YEARS SINCE CURRENT YEAR
2310 PV3 = .97^A7      'PRESENT VALUE FACTOR - 3% RATE OF GROWTH
2320 PV5 = .95^A7      'PRESENT VALUE FACTOR - 5% RATE OF GROWTH
2330 PRINT " + OTHER INCOME (3) * 12
";
2331 PRINT " = ( +/- ) (4)"
2332 LPRINT " + OTHER INCOME (3) * 12
";
2333 LPRINT " = ( +/- ) (4)"
2335 PRINT " = TOTAL INCOME (1) (4) * ";
2336 PRINT USING "#.##";PV3;
2337 PRINT USING "(OR #.##";PV5;
2338 PRINT ") ="
2340 PRINT " PRESENT";
2342 PRINT " VALUE OF";N1;"* ( +/- ) *"
2345 LPRINT " = TOTAL INCOME (1) (4) * ";
2346 LPRINT USING "#.##";PV3;
2347 LPRINT USING "(OR #.##";PV5;
2348 LPRINT ") ="
2349 LPRINT " PRESENT";
2350 LPRINT " VALUE OF";N1;"* ( +/- ) *"
2351 T3 = T3 + 1
2354 N1 = N1 +1
2356 Z = 0
2358 C(Z) = C(Z) + 1
2360 IF C0 = Z THEN 2380
2365 Z = Z + 1
2370 GOTO 2358
2380 IF T3 > 80 THEN 2396
2385 PRINT "-----";
2386 PRINT "-----"
2387 LPRINT "-----";
2388 LPRINT "-----"
2390 GOTO 1330
2391 T9 = 0

```

```

2392 O2 = S3 +Y
2393 IF T3 < T2 THEN 2395
2394 S3 = 0
2395 GOTO 2221
2396 PRINT "-----";
2397 PRINT "-----";
2398 LPRINT "-----";
2399 LPRINT "-----";
2400 PRINT "      TOTAL YEARLY PRESENT VALUES (*__*)      ";
2402 PRINT "  **(+/-) _____ **";
2403 PRINT
2404 LPRINT "      TOTAL YEARLY PRESENT VALUES (*__*)      ";
2406 LPRINT "  **(+/-) _____ **";
2408 LPRINT
2410 PRINT "      NET HOUSING EQUITY/DEFICIT (STEP 3)      ";
2412 PRINT "  (+/-) _____ ";
2413 PRINT
2414 LPRINT "      NET HOUSING EQUITY/DEFICIT (STEP 3)      ";
2416 LPRINT "  (+/-) _____ ";
2418 LPRINT
2420 PRINT "      NET IMMEDIATE EXPENSES (STEP 11)      ";
2422 PRINT "  (+/-) _____ ";
2423 PRINT
2424 LPRINT "      NET IMMEDIATE EXPENSES (STEP 11)      ";
2426 LPRINT "  (+/-) _____ ";
2428 LPRINT
2430 PRINT "      CURRENT CASH/LIQUID NEEDS (STEP 12)      ";
2432 PRINT "  (-) _____ ";
2433 PRINT
2434 LPRINT "      CURRENT CASH/LIQUID NEEDS (STEP 12)      ";
2436 LPRINT "  (-) _____ ";
2438 LPRINT
2440 PRINT "      CURRENT CASH/LIQUID POSITION (STEP 13)      ";
2442 PRINT "  (+) _____ ";
2443 PRINT
2444 LPRINT "      CURRENT CASH/LIQUID POSITION (STEP 13)      ";
2446 LPRINT "  (+) _____ ";
2448 LPRINT
2450 PRINT "      TOTAL CURRENT NEEDS AND POSITION"      ;
2452 PRINT "  (+/-) _____ ";
2453 LPRINT "      TOTAL CURRENT NEEDS AND POSITION"      ";
2454 LPRINT "  (+/-) _____ ";
2455 STOP
2460 RETURN

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10-86

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